

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>12</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2063_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manual on file at district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>15</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2063_01_f_2014_15				
Comment Code					
Inspector Comment					
The LMA maintains adequate flood fight supplies and equipment.					

No Photos

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2063_01_s_2013_21				
Comment Code					
Inspector Comment					
The LMA is prepared for flood response, but has not been involved in flood fight training for several years.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	59
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.464357 °	37.464357 °
				-121.032670 °	-121.032670 °
DWR ID	22076				
Comment Code					
Inspector Comment					
FS_ID:50218					
DS_ID:22076					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR)					
FIELD_STRUCT_DESC: [Lateral Drain No. 5] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_50218\_43204.jpg



WS view: two outfall CMP pipes on levee slope.

LM Start	<b>1.32</b>	Rating **	A/W	Issue No.	<b>59 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_50218\_43203.jpg



WS view: two outfall CMP pipes with flap gates on concrete headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	59 (cont)	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.464357 °	37.464357 °	
				-121.032670 °	-121.032670 °	
DWR ID	22076					
Comment Code						
Inspector Comment						
FS_ID:50218						
DS_ID:22076						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: [Lateral Drain No. 5] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)].						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_50218\_43202.jpg



WS view: two slide gates in CMP risers on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	60
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.464335 °	37.464335 °
				-121.032664 °	-121.032664 °
DWR ID	22119				
Comment Code					
Inspector Comment					
FS_ID:50217 DS_ID:22119 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: [Lateral Drain No. 5] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_50217\_43217.jpg



WS view: two CMP risers with slide gates on levee slope.

LM Start	<b>1.32</b>	Rating **	A/W	Issue No.	<b>60 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_50217\_43216.jpg



WS view: two CMP outfall pipes with flap gates on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	2.27	Rating **	A/W	Issue No.	62 (cont)	
LM End	2.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.451946 °		37.451946 °
				-121.030672 °		-121.030672 °
DWR ID	22081					
Comment Code						
Inspector Comment						
FS_ID:51823						
DS_ID:22081						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/05/2013 - concrete standpipe on waterside toe.- concrete distribution box on landside.- an alfalfa valve on waterside toe. (P. Amatya - DWR UCIP)						
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a concrete distribution box on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.29)].						
FS Date: 11/5/2013						

LM Start	<b>2.27</b>	Rating **	A/W	Issue No.	<b>62 (cont)</b>
LM End	<b>2.27</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_51823\_43347.jpg



LS view: concrete distribution box and temporary walkway on levee toe.

Photo 3 of 3 : UCIP\_SP\_2019\_51823\_43346.jpg



LS view: slide gate in concrete distribution box.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	2.59	Rating **	C	Issue No.	43
LM End	2.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.448579 °	37.448579 °
				-121.026752 °	-121.026752 °
DWR ID	DWR_RD2063_01_s_2018_43				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.62	Rating **	M	Issue No.	65
LM End	2.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.448233 °	37.448233 °
				-121.026521 °	-121.026521 °
DWR ID	22086				
Comment Code					
Inspector Comment					
FS_ID:24435 DS_ID:22086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Both pipe ends 70 ft off the levee center.Clearing and cleaning of inlet/outlet pipe needed. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.65)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_24435\_43484.jpg



WS view: U shaped headwall outlet structure 70 ft off the levee center.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	2.62	Rating **	M	Issue No.	65 (cont)	
LM End	2.62	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.448233 °		37.448233 °
				-121.026521 °		-121.026521 °
DWR ID	22086					
Comment Code						
Inspector Comment						
FS_ID:24435 DS_ID:22086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 Both pipe ends 70 ft off the levee center.Clearing and cleaning of inlet/outlet pipe needed. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.65)]. FS Date: 11/5/2013						

LM Start	<b>2.62</b>	Rating **	M	Issue No.	<b>65 (cont)</b>
LM End	<b>2.62</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_24435\_43483.jpg



WS view: U shaped headwall outlet structure and pipe with flap gate.

Photo 3 of 3 : UCIP\_SP\_2019\_24435\_43482.jpg



LS view: concrete headwall with CMP 70 ft off the levee center.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	2.68	Rating **	A/W	Issue No.	66
LM End	2.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.447475 °	37.447475 °
				-121.026017 °	-121.026017 °
DWR ID	22087				
Comment Code					
Inspector Comment					
FS_ID:25023 DS_ID:22087 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/05/2013 Both pipe ends about 85 feet off the levee center. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.71)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_25023\_45102.jpg



WS view: U typed concrete headwall on river bank.

LM Start	<b>2.68</b>	Rating **	A/W	Issue No.	<b>66 (cont)</b>
LM End	<b>2.68</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_25023\_45101.jpg



WS view: pipe, flap gate, and concrete headwall on river bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	2.68	Rating **	A/W	Issue No.	66 (cont)	
LM End	2.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.447475 °		37.447475 °
				-121.026017 °		-121.026017 °
DWR ID	22087					
Comment Code						
Inspector Comment						
FS_ID:25023						
DS_ID:22087						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/05/2013 Both pipe ends about 85 feet off the levee center. (P. Amatya - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.71)].						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_25023\_45100.jpg



LS view: pipe and concrete headwall off the levee toe.

LM Start	2.93	Rating **	M	Issue No.	67
LM End	2.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.443871 °	37.443871 °
				-121.025775 °	-121.025775 °
DWR ID	22088				
Comment Code					
Inspector Comment					
FS_ID:24443					
DS_ID:22088					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 11/05/2013 - clear and clean debris (P. Amatya - DWR UCIP)					
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Pipe open on the landside (LS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.97)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_24443\_43522.jpg



WS view: U typed concrete headwall on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	2.93	Rating **	M	Issue No.	67 (cont)	
LM End	2.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.443871 °	37.443871 °	
				-121.025775 °	-121.025775 °	
DWR ID	22088					
Comment Code						
Inspector Comment						
FS_ID:24443 DS_ID:22088 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - clear and clean debris (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Pipe open on the landside (LS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.97)]. FS Date: 11/5/2013						

LM Start	<b>2.93</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>2.93</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_24443\_43521.jpg



WS view: pipe, flap gate, and concrete headwall with debris blocking the outlet.

Photo 3 of 3 : UCIP\_SP\_2019\_24443\_43520.jpg



WS view: pipe, flap concrete headwall with soil debris blocking the inlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	3.29	Rating **	M	Issue No.	68
LM End	3.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.441213 °	37.441213 °
				-121.021130 °	-121.021130 °
DWR ID	22089				
Comment Code					
Inspector Comment					
FS_ID:24469 DS_ID:22089 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - cleaning required in inlet pipe.- new flap gate (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.33)]. FS Date: 11/5/2013					

LM Start	3.29	Rating **	M	Issue No.	68 (cont)
LM End	3.29	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_24469\_43645.jpg



WS view: U typed concrete headwall on levee toe

Photo 2 of 3 : UCIP\_SP\_2019\_24469\_43644.jpg



WS view: new flap gate, and U typed concrete headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	3.29	Rating **	M	Issue No.	68 (cont)	
LM End	3.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.441213 °	37.441213 °	
				-121.021130 °	-121.021130 °	
DWR ID	22089					
Comment Code						
Inspector Comment						
FS_ID:24469 DS_ID:22089 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - cleaning required in inlet pipe.- new flap gate (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.33)]. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_24469\_43643.jpg



LS view: CM pipe and concrete headwall on levee slope. Debris blocking inlet pipe.

LM Start	3.55	Rating **	C	Issue No.	42
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.437986 °	37.437667 °
				-121.018703 °	-121.018468 °
DWR ID	DWR_RD2063_01_f_2018_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control vegetation growth at toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	3.64	Rating **	C	Issue No.	45
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.436901 °	37.436587 °
				-121.017868 °	-121.017537 °
DWR ID	DWR_RD2063_01_f_2018_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control vegetation growth at the toe of the levee.					

No Photos

LM Start	3.64	Rating **	M	Issue No.	69
LM End	3.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.436845 °	37.436845 °
				-121.017826 °	-121.017826 °
DWR ID	22093				
Comment Code					
Inspector Comment					
FS_ID:24485 DS_ID:22093 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - new flap gate on waterside.- cleaning and clearing of inlet box needed. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete saddle on the waterside (WS) end. Concrete drop inlet box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.69)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_24485\_43667.jpg



WS view: pipe, flap gate, and concrete saddle on levee slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	3.64	Rating **	M	Issue No.	69 (cont)	
LM End	3.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.436845 °		37.436845 °
				-121.017826 °		-121.017826 °
DWR ID	22093					
Comment Code						
Inspector Comment						
FS_ID:24485 DS_ID:22093 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/05/2013 - new flap gate on waterside.- cleaning and clearing of inlet box needed. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete saddle on the waterside (WS) end. Concrete drop inlet box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.69)]. FS Date: 11/5/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_24485\_43666.jpg



LS view: concrete drop inlet box on levee toe.

LM Start	<b>3.64</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>3.64</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_24485\_43665.jpg



LS view: inside view of inlet box on levee toe. Debris blocking inlet pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	4.02	Rating **	A/W	Issue No.	70
LM End	4.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.432813 °	37.432813 °
				-121.013419 °	-121.013419 °
DWR ID	22096				
Comment Code					
Inspector Comment					
FS_ID:51821					
DS_ID:22096					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.08)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_51821\_43842.jpg



WS view: pipe, flap gate, and concrete headwall on drainage ditch.

LM Start	<b>4.02</b>	Rating **	A/W	Issue No.	<b>70 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_51821\_43841.jpg



LS view: CM pipe and concrete headwall on levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	4.02	Rating **	A/W	Issue No.	70 (cont)	
LM End	4.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.432813 °	37.432813 °	
				-121.013419 °	-121.013419 °	
DWR ID	22096					
Comment Code						
Inspector Comment						
FS_ID:51821 DS_ID:22096 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.08)]. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_51821\_43840.jpg



LS view: inside view of the CM pipe on levee toe.

LM Start	5.68	Rating **	C	Issue No.	57
LM End	5.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.419768 °	37.419569 °
				-120.998932 °	-120.998661 °
DWR ID	DWR_RD2063_01_f_2017_57				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Control vegetation at landside toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	6.01	Rating **	M	Issue No.	40
LM End	6.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.415710 °	37.415710 °
				-120.998530 °	-120.998530 °
DWR ID	DWR_RD2063_01_s_2019_40				
Comment Code					
Inspector Comment					
Concrete revetment with rebar should be removed.					

Photo 1 of 1 : SP\_2019\_RD2063\_112\_40\_20190501\_00111.jpg



Representative view of concrete rip rap used at this location. (Spring 2019)

LM Start	7.11	Rating **	C	Issue No.	50
LM End	7.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.406978 °	37.406978 °
				-120.991818 °	-120.991818 °
DWR ID	DWR_RD2063_01_f_2018_50				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair vehicle damage to landside shoulder.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	7.48	Rating **	A/W	Issue No.	78	
LM End	7.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.404195 °	37.404195 °	
				-120.986709 °	-120.986709 °	
DWR ID	22110					
Comment Code						
Inspector Comment						
FS_ID:24632						
DS_ID:22110						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/06/2013 No pipe visible on landside.Flap gate through the levee, 25.5 feet below the crown. Slide gate in a corrugated not found on the waterside end. Concrete "U" headwalls not found on ends of pipe. (P. Amatya - DWR UCIP)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.61)].						
FS Date: 11/6/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_24632\_43953.jpg



WS view: CMP riser on levee slope. No pipe visible on levee slope.

LM Start	<b>7.48</b>	Rating **	A/W	Issue No.	<b>78 (cont)</b>
LM End	<b>7.48</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_24632\_43952.jpg



WS view: slide gate in CMP riser on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	7.48	Rating **	A/W	Issue No.	78 (cont)	
LM End	7.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.404195 °	37.404195 °	
				-120.986709 °	-120.986709 °	
DWR ID	22110					
Comment Code						
Inspector Comment						
FS_ID:24632						
DS_ID:22110						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/06/2013 No pipe visible on landside.Flap gate through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.61)].						
FS Date: 11/6/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_24632\_43951.jpg



LS view: concrete distribution box on levee toe. Pump on the box discharges water into irrigation ditch.

LM Start	7.50	Rating **	M	Issue No.	79	
LM End	7.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.404130 °	37.404130 °	
				-120.986454 °	-120.986454 °	
DWR ID	22111					
Comment Code						
Inspector Comment						
FS_ID:25031						
DS_ID:22111						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 11/06/2013 Pump mounted on top of concrete pipe						
sump not found on the waterside. Concrete standpipe not found on						
the landward side.Looks abandoned. (P. Amatya - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch concrete encased						
steel drainage discharge pipe through the levee, 7 feet below the crown.						
Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS)						
slope. Pipe open on both ends. Installed by USACE in 1961. [Additional						
Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M						
Manual 6, September 1961, (HLM 7.62), 10-inch pipe referenced].						
FS Date: 11/6/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_25031\_45141.jpg



WS view: CMP riser with slide gate. Missing slide gate handwheel.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2063 Crows Landing

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	80	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397883 °	37.397883 °	
				-120.972342 °	-120.972342 °	
DWR ID	22124					
Comment Code						
Inspector Comment						
FS_ID:24651 DS_ID:22124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection.- blocked siphon breaker. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>80 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_24651\_44005.jpg



WS view: two siphon breakers in CMP risers on levee slope.

Photo 2 of 3 : UCIP\_SP\_2019\_24651\_44004.jpg



WS view: two flap gates on outfall pipe ends.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	80 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397883 °	37.397883 °	
				-120.972342 °	-120.972342 °	
DWR ID	22124					
Comment Code						
Inspector Comment						
FS_ID:24651 DS_ID:22124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection.- blocked siphon breaker. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_24651\_44003.jpg



LS view: pipes under walkway to pump house.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	81	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397872 °	37.397872 °	
				-120.972336 °	-120.972336 °	
DWR ID	22112					
Comment Code						
Inspector Comment						
FS_ID:24652 DS_ID:22112 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection.- blocked siphon breaker. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>81 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_24652\_44008.jpg



WS view: two siphon breakers in CMP risers on levee slope.

Photo 2 of 3 : UCIP\_SP\_2019\_24652\_44007.jpg



WS view: two flap gates on outfall pipe ends.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	8.46	Rating **	A/W	Issue No.	82	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397865 °	37.397865 °	
				-120.972332 °	-120.972332 °	
DWR ID	22113					
Comment Code						
Inspector Comment						
FS_ID:24650 DS_ID:22113 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 Working during field inspection. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_24650\_44002.jpg



WS view: two flap gates on outfall pipe ends.

LM Start	<b>8.46</b>	Rating **	A/W	Issue No.	<b>82 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_24650\_44001.jpg



WS view: two slide gates in CMP risers on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	8.46	Rating **	A/W	Issue No.	82 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397865 °	37.397865 °	
				-120.972332 °	-120.972332 °	
DWR ID	22113					
Comment Code						
Inspector Comment						
FS_ID:24650 DS_ID:22113 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 Working during field inspection. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_24650\_44000.jpg



LS view: drainage pipes under walkway in drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	8.46	Rating **	A/W	Issue No.	83 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397850 °	37.397850 °	
				-120.972322 °	-120.972322 °	
DWR ID	22125					
Comment Code						
Inspector Comment						
FS_ID:24636 DS_ID:22125 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 11/06/2013 - working during field inspection. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_24636\_43963.jpg



LS view: drainage pipes under walkway in drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	9.05	Rating **	A/W	Issue No.	84
LM End	9.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390804 °	37.390804 °
				-120.966394 °	-120.966394 °
DWR ID	22114				
Comment Code					
Inspector Comment					
FS_ID:24638 DS_ID:22114 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/06/2013 Flap gate and concrete "U" headwall not visible due to dense vegetation on waterside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate, concrete U-shaped headwall, and 7-foot-long grouted spillway on the waterside (WS) end. Slide gate and concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.21)]. FS Date: 11/6/2013					

LM Start	<b>9.05</b>	Rating **	A/W	Issue No.	<b>84 (cont)</b>
LM End	<b>9.05</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_SP\_2019\_24638\_43967.jpg



WS view: concrete headwall on levee end. Slide gate on pipe end.

Photo 2 of 2 : UCIP\_SP\_2019\_24638\_43966.jpg



WS view: close view of slide gate on pipe end.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	9.49	Rating **	C	Issue No.	53
LM End	9.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.390674 °	°
				-120.958485 °	°
DWR ID	DWR_RD2063_01_f_2018_53				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.50	Rating **	A/W	Issue No.	85
LM End	9.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390682 °	37.390682 °
				-120.958287 °	-120.958287 °
DWR ID	22115				
Comment Code					
Inspector Comment					
FS_ID:51825 DS_ID:22115 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.66)]. FS Date: 4/11/2017					

Photo 1 of 3 : UCIP\_SP\_2019\_51825\_77044.jpg



LS inlet as of 4/11/2017 levee inspection. Photo courtesy of DWR inspector Richard Willoughby.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	9.50	Rating **	A/W	Issue No.	85 (cont)	
LM End	9.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.390682 °	37.390682 °	
				-120.958287 °	-120.958287 °	
DWR ID	22115					
Comment Code						
Inspector Comment						
FS_ID:51825 DS_ID:22115 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.66)]. FS Date: 4/11/2017						

LM Start	<b>9.50</b>	Rating **	A/W	Issue No.	<b>85 (cont)</b>
LM End	<b>9.50</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_51825\_43983.jpg



WS view: U type headwall and flap gate visible on the bank of the water channel.

Photo 3 of 3 : UCIP\_SP\_2019\_51825\_43982.jpg



LS view: concrete headwall on levee end. Pipe opening blocked by plywood.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	9.94	Rating **	A/W	Issue No.	86
LM End	9.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390563 °	37.390563 °
				-120.950329 °	-120.950329 °
DWR ID	22116				
Comment Code					
Inspector Comment					
FS_ID:24644 DS_ID:22116 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/06/2013 - not very old structure. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee and across the drainage ditch on the waterside (WS), 6 feet below the crown. Slide gate and concrete box on the WS end. Concrete box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.11)]. FS Date: 11/6/2013					

LM Start	<b>9.94</b>	Rating **	A/W	Issue No.	<b>86 (cont)</b>
LM End	<b>9.94</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_24644\_43986.jpg



WS view: CM pipe on outlet concrete box.

Photo 2 of 3 : UCIP\_SP\_2019\_24644\_43985.jpg



LS view: CM pipe with slide gate on inlet concrete box.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	9.94	Rating **	A/W	Issue No.	86 (cont)	
LM End	9.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.390563 °		37.390563 °
				-120.950329 °		-120.950329 °
DWR ID	22116					
Comment Code						
Inspector Comment						
FS_ID:24644						
DS_ID:22116						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/06/2013 - not very old structure. (P. Amatya - DWR UCIP)						
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee and across the drainage ditch on the waterside (WS), 6 feet below the crown. Slide gate and concrete box on the WS end. Concrete box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.11)].						
FS Date: 11/6/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_24644\_43984.jpg



LS view: inside view of slide gate in concrete box.

LM Start	9.95	Rating **	M	Issue No.	87
LM End	9.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390572 °	37.390572 °
				-120.950156 °	-120.950156 °
DWR ID	22117				
Comment Code					
Inspector Comment					
FS_ID:24645 DS_ID:22117 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 - waterside not accessible.- partially blocked inlet opening on landside. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.12)]. FS Date: 11/6/2013					

Photo 1 of 2 : UCIP\_SP\_2019\_24645\_43988.jpg



WS view: concrete U type headwall on channel bank. Not accessible.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	04/17/2019 04/17/2019	Corey Fujitani

LM Start	9.95	Rating **	M	Issue No.	87 (cont)	
LM End	9.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.390572 °	37.390572 °	
				-120.950156 °	-120.950156 °	
DWR ID	22117					
Comment Code						
Inspector Comment						
FS_ID:24645 DS_ID:22117 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/06/2013 - waterside not accessible.- partially blocked inlet opening on landside. (P. Amaty - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.12)]. FS Date: 11/6/2013						

Photo 2 of 2 : UCIP\_SP\_2019\_24645\_43987.jpg



LS view: concrete headwall and partially blocked inlet opening.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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